



Fig. tower boards and the

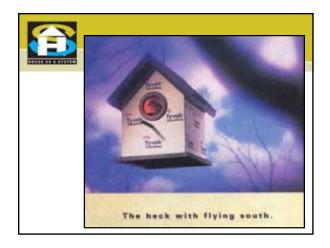




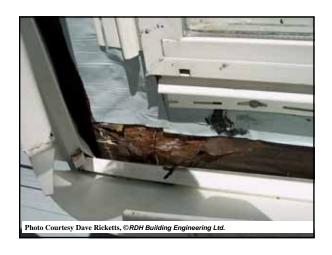
### **Housewrap Qualities**

- Provides a drainage layer
  If properly installed and detailed
- All sheathing papers/wraps:
  - Reduced effectiveness from exposure to raw cedar, redwood, or cement stucco
  - -Backprime or use rain screen



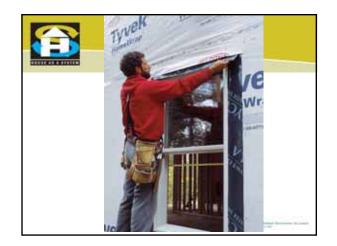






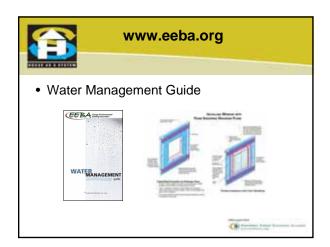










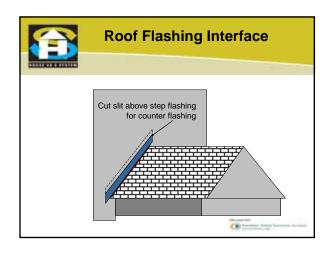


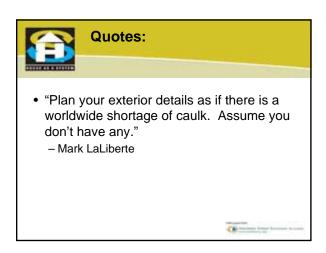










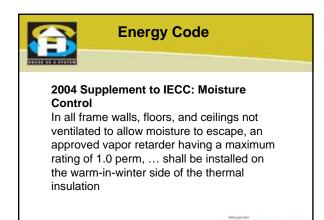


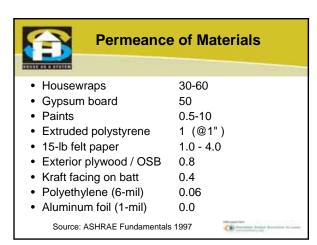


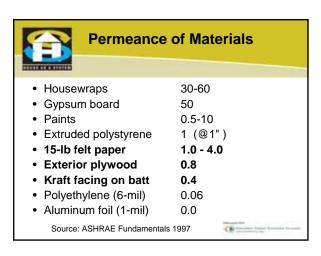
#### **Vapor Diffusion**

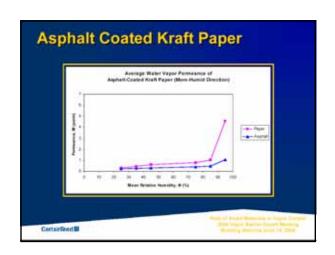
- Water vapor moves through solid materials
  - Moves towards cold, dry
- "Vapor pressure"
  - Pushes out in the winter
  - Pushes in in the summer

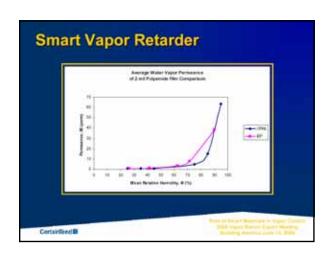


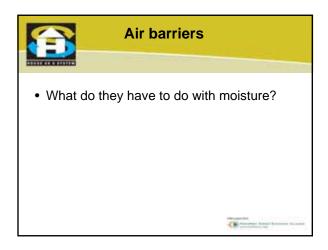


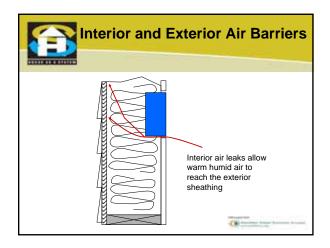


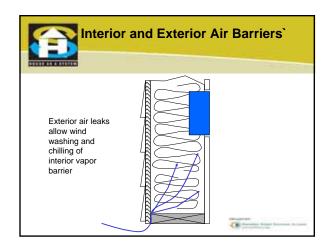


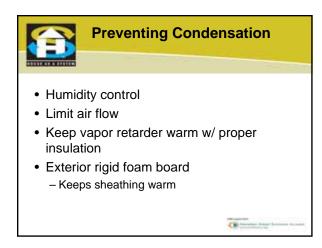






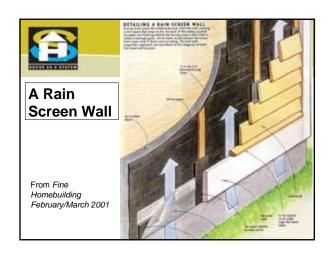




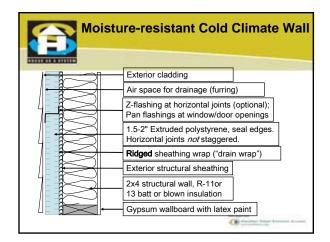












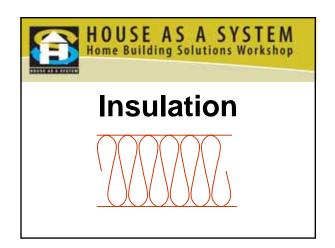


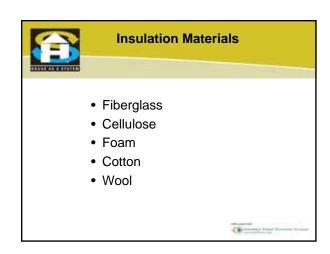














#### **Installation Methods**

- Loose fill
- · Batts and blankets
- Blow-in-systems: BIBS, Spider
- · Open cavity spray





## **Energy Code Corner**

# IECC 2003 Section 102.4 Insulation installation:

 "Roof-ceiling, floor, wall cavity insulation and duct distribution systems insulation shall be installed in a manner that permits inspection of the manufacturer's R-value identification mark."





